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***The Trusted Integrator for Sustainable Solutions***

REMOVAL SUPPORT TEAM 2  
EPA CONTRACT EP-W-06-072

September 6, 2013

Mr. Keith Glenn, On-Scene Coordinator  
U.S. Environmental Protection Agency  
Removal Action Branch  
2890 Woodbridge Avenue  
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072  
TDD NO: NOT ASSIGNED  
DOCUMENT CONTROL NO: RST2-02-F-2531  
SUBJECT: **SITE-SPECIFIC HEALTH AND SAFETY PLAN - SUPERIOR BARREL  
AND DRUM SITE, ELK TOWNSHIP, GLOUCESTER COUNTY, NEW  
JERSEY**

Dear Mr. Glenn,

Enclosed please find the Weston Solutions, Inc., Removal Support Team 2 (RST 2) Site-Specific Health and Safety Plan for the multi-media sampling event to be conducted as part of the Removal Assessment of the Superior Barrel and Drum Site located in Elk Township, Gloucester County, New Jersey beginning on September 9, 2013. If you have any questions, please do not hesitate to contact me at (732) 585-4411.

Sincerely,

Weston Solutions, Inc.

Peter Lisichenko  
Principle Project Leader/Group Leader

Enclosure

cc: TDD File No.: Not Assigned

*an employee-owned company*

*In Association with Scientific and Environmental Associates, Inc.,  
H & S Environmental, Inc., and Avatar Environmental, LLC*



**REGION II RST 2 HEALTH AND SAFETY PLAN  
EMERGENCY RESPONSE/REMOVAL ASSESSMENT/REMOVAL ACTION  
(Revised 16 March 2011)**

**TDD No.:** Not Assigned

**Site Name:** Superior Barrel and Drum Site

**Site Address: Street No.:** 798 Jacob Harris Road

**City:** Elk Township

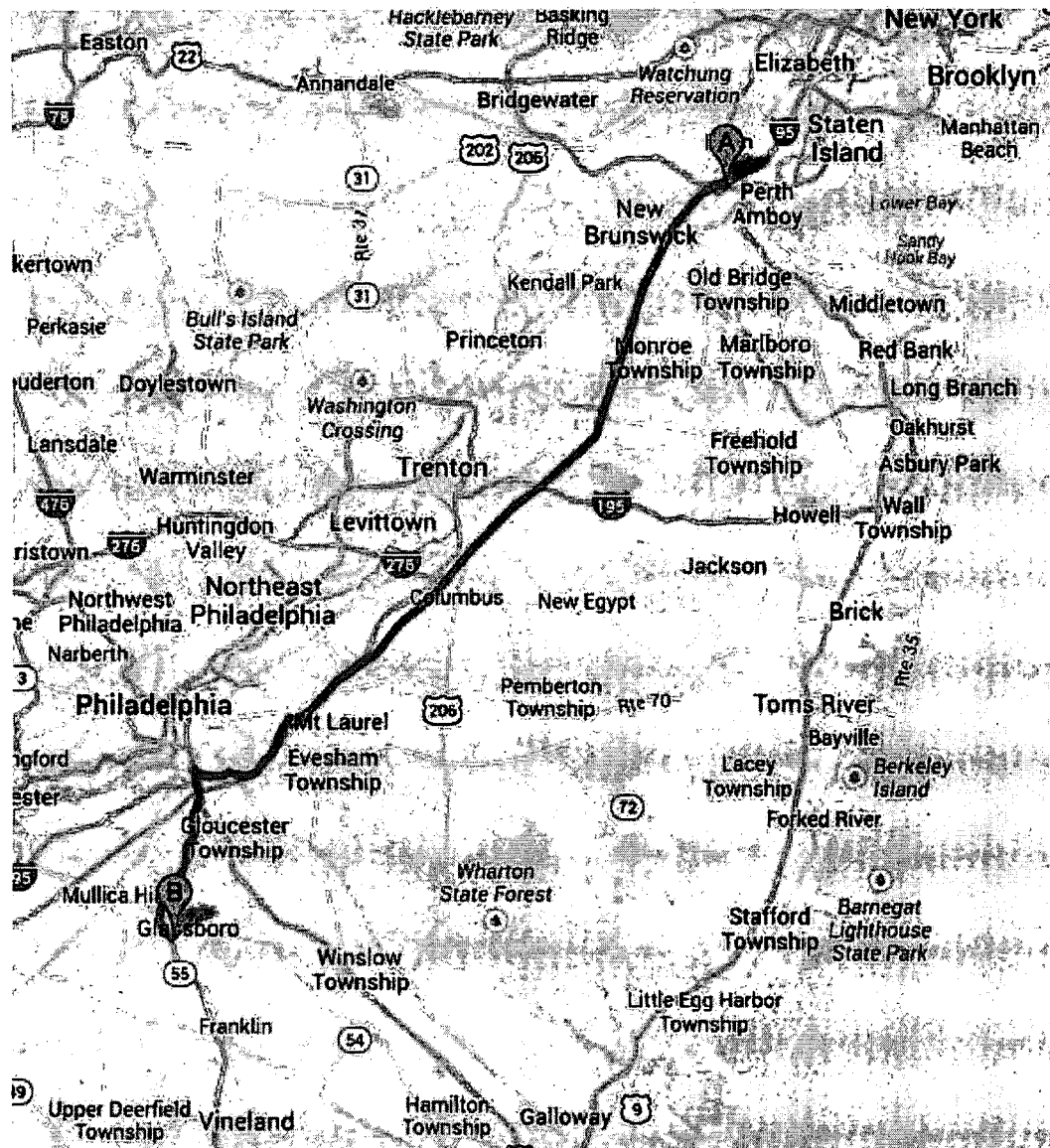
**County/State:** Gloucester/New Jersey

**Directions to Site from Office:** (Attach Color Map Following This Page)

1. Head west toward King Georges Rd/King Georges Post Rd  
302 ft
2. Turn left onto King Georges Rd/King Georges Post Rd  
0.5 mi
3. Turn right onto Raritan Center Pkwy  
276 ft
4. Keep right at the fork, follow signs for Middlesex County 514 E/Woodbridge Ave/I-287/NJ-440 and merge onto Woodbridge Ave  
0.4 mi
5. Take the I-95 ramp  
0.9 mi
6. Follow signs for Trenton  
0.4 mi
7. Keep left at the fork and merge onto I-95 S  
27.8 mi
8. Continue onto New Jersey Turnpike S  
25.9 mi
9. Take exit 4 for New Jersey 73  
0.5 mi
10. Keep right at the fork, follow signs for NJ-73 N and merge onto NJ-73 N  
0.7 mi
11. Slight right to merge onto I-295 S toward Del Memorial Bridge  
10.9 mi
12. Take the exit on the left onto NJ-42 S toward Atlantic City  
1.4 mi
13. Take exit 13 to merge onto NJ-55 S toward Glassboro/Vineland  
11.4 mi
14. Take exit 48 toward Ferrell/Glassboro  
0.2 mi
15. Turn left onto Ellis St/Ellis Mill Rd  
Continue to follow Ellis St  
0.7 mi
16. Turn right onto Jacob Harris Ln  
0.2 mi

Destination is 82.1 miles = 1 hours and 20 minutes

## Directions to Site from Office: (Concluded)



*This map is subject to Google's Terms of Service, and Google is the owner of rights therein.*

### Historical/Current Site Information:

On August 29, 2013, the New Jersey Department of Environmental Protection (NJDEP) notified the U.S. Environmental Protection Agency (EPA), Region II Regional Emergency Operations Center (REOC) of deteriorated conditions at the Superior Barrel and Drum Site (the Site). NJDEP Emergency Response personnel requested the assistance of EPA On-Scene Coordinators (OSCs) with investigating conditions of containers at the facility.

On August 30, 2013, EPA OSCs met with NJDEP and Gloucester County officials at the Site. Thousands of containers were observed, mostly 275-gallon totes and 55-gallon drums, located along the road as well as in the woods, wetlands, and elsewhere throughout the property. Containers were stacked several high in various locations and were shown to be various states of deterioration. Containers were found to be leaking, void of tops, exposed to weather elements, rusted, damaged due to gunshots, stored improperly, and laying on their sides. Numerous trailers

were also found to be open and containing 55-gallon drums. The containers throughout the Site appeared to be full of contents, however most did not have labels. Labels on some containers include flammable liquids, corrosive, marine pollutant, flammable solid, and non-hazardous material.

NJDEP collected samples from four random containers, all 55-gallon drums. Field screening tests were conducted on the selected drums using Photoionization Detectors, HazMat ID, pH, and others. Contents revealed materials to be corrosive, highly flammable, and having high readings of volatile organic compounds (VOCs). ~~The materials sampled did not reflect the labels on the containers, which indicated the contents were non-hazardous.~~ *remains* *02*

County officials indicated that attempts to reach the property owner failed numerous times. The owner filed for bankruptcy in 2012 but the case was dismissed due to lack of information provided by the plaintiff.

NJDEP referred the Site to EPA on August 30, 2013 due to the conditions at the Site, including drum contents spilled in wetlands, contents pooling alongside the road, and unsecured access to the facility.

*Resand*  
The Site is located at 798 Jacob Harris <sup>Ln</sup> Road in Elk Township, Gloucester County, New Jersey (coordinates 39.6869, -75.132314). The facility consists of a main processing building and numerous trailers located throughout the 5.5 acre property. The entrance to the facility is down a dirt road. The northern portion of the Site is bordered by Industrial Drum Company, a competitor in the drum reconditioning business. A chain-link fence separates the two properties. Jacob Harris Road marks the eastern boundary of the Site, beyond which is a densely forested property. To the South are private lands which are also densely wooded with several marshy areas. The western boundary is indicated by Rt. 55, a major highway. Currently, the facility is inoperable with last known operation activity occurring in 2012. Several companies have been to the property in efforts to remove machinery and equipment. The Site is open to persons traveling along Jacob Harris Road, a public road. The Site is unsecured from each direction and evidence of trespassers has been noted. All doors of the main building and trailers are open.

The Site consists of two operational areas. The main area is where the permanent steel structure is located. This area would receive containers, rinse the containers, and recondition them for future market. This area is approximately 2.4 acres with containers located throughout. The additional operational area appears to be mainly storage of full 275-gallon and 55-gallon totes, with several trailers holding containers. This area encompasses approximately 0.32 acres of land, also holding hundreds of totes and drums. Both areas show signs of impact from leaking containers or dumping of materials.

#### **RST 2 Scope of Work:**

As part of the Removal Assessment, Weston Solutions, Inc., Removal Support Team 2 (RST 2) is tasked by the EPA with conducting multi-media sampling including drum and tank waste, floor drain sediment, surface soil and sediment, and surface water. Liquid, sludge, and solid drum waste and soil and sediment samples will be analyzed for target compound list (TCL) volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, including mercury and cyanide, and polycyclic aromatic hydrocarbons (PAHs). RST 2 will perform activities including an initial Site entry in Level B personnel protective equipment (PPE) to conduct air monitoring and radiation screening of the on-site structure and container storage areas surrounding the building,

drum/container inventory, sampling of drums and containers for Hazcat field screening [to be conducted by EPA Emergency and Rapid Response Services (ERRS) contractors], and site documentation.

**Four (3) S.M.A.R.T. Health and Safety Goals for the Project (Simple, Measurable, Actionable, Reasonable, & Timely):**

1. Use of appropriate/complete PPE during entry activities based on air monitoring instrumentation readings.
2. Safely sample drums/containers and soil located throughout the Site.
3. Safe navigation (no accidents) while in the vehicle.

**Incident Type:**

- ☐ Emergency Response
- ☒ Removal Assessment: September 9 through 20, 2013
- ☐ Removal Action
- ☐ Residential Sampling/Investigation
- ☐ PRP Oversight
- ☐ Other

*Expand*

**Location Class:**

- ☒ Industrial
- ☐ Commercial
- ☐ Urban/Residential
- ☒ Rural

U.S. EPA OSC: Keith Glenn  
Original HASP: Yes  
Lead RST 2: Peter Lisichenko

Date of Initial Site Activities: 9/9/2013  
Site Health & Safety Coordinator: Peter Lisichenko  
Site Health & Safety Alternate: Joel Siegel

**Response Activities/Dates of Response (fill in as applicable)**

**Emergency Response:**

- ☐ Perimeter Recon.
- ☐ Site Entry
- ☐ Visual Documentation
- ☐ Multi-Media Sampling
- ☐ Decontamination

**Assessment:**

- ☒ Perimeter Recon: September 9 through 20, 2013
- ☒ Site Entry: September 9 through 20, 2013
- ☒ Visual Documentation: September 9 through 20, 2013
- ☒ Multi-Media Sampling: September 9 through 20, 2013
- ☒ Decontamination: September 9 through 20, 2013

**Physical Safety Hazards to Personnel**

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Inclement Weather – Attach FLD02          | <input checked="" type="checkbox"/> Heat – Attach FLD05                 | <input checked="" type="checkbox"/> Cold – Attach FLD06                |
| <input type="checkbox"/> Confined Space – Attach FLD08                        | <input type="checkbox"/> Industrial Trucks – Attach FLD09               | <input type="checkbox"/> Manual Lifting – Attach FLD10                 |
| <input type="checkbox"/> Terrain – Attach FLD11                               | <input checked="" type="checkbox"/> Structural Integrity – Attach FLD13 | <input type="checkbox"/> Site Security – Attach FLD14                  |
| <input type="checkbox"/> Pressurized Containers, Systems – Attach FLD16       | <input type="checkbox"/> Use of Boats – Attach FLD18                    | <input type="checkbox"/> Waterways – Attach FLD19                      |
| <input type="checkbox"/> Explosives – Attach FLD21                            | <input checked="" type="checkbox"/> Heavy Equipment – Attach FLD22      | <input type="checkbox"/> Aerial Lifts and Manlifts – Attach FLD24      |
| <input type="checkbox"/> Elevated Surfaces and Fall Protection – Attach FLD25 | <input type="checkbox"/> Ladders – Attach FLD26                         | <input type="checkbox"/> Excavations/Trenching – Attach FLD28          |
| <input type="checkbox"/> Fire Prevention – Attach FLD31                       | <input type="checkbox"/> Demolition – Attach FLD33                      | <input type="checkbox"/> Underground/Overhead Utilities – Attach FLD34 |
| <input type="checkbox"/> Hand and Power Tools – Attach FLD38                  | <input checked="" type="checkbox"/> Illumination – Attach FLD39         | <input type="checkbox"/> Storage Tanks – Attach FLD40                  |
| <input type="checkbox"/> Lead Exposure – Attach FLD46                         | <input checked="" type="checkbox"/> Sample Storage – Attach FLD49       | <input type="checkbox"/> Cadmium Exposure – Attach FLD50               |
| <input type="checkbox"/> Asbestos Exposure – Attach FLD52                     | <input type="checkbox"/> Hexavalent Chromium Exposure – Attach FLD 53   | <input type="checkbox"/> Benzene Exposure – Attach FLD 54              |
| <input type="checkbox"/> Drilling Safety – Attach FLD56                       | <input checked="" type="checkbox"/> Drum Handling – Attach FLD58        | <input type="checkbox"/> Gasoline Contaminant Exposure – Attach FLD61  |
| <input type="checkbox"/> Noise – Attach CECHSP, Section 7                     | <input type="checkbox"/> Walking/Working Surfaces                       | <input type="checkbox"/> Oxygen Deficiency                             |
| <input checked="" type="checkbox"/> Unknowns in Tanks or Drums                | <input type="checkbox"/> Nonionizing Radiation                          | <input type="checkbox"/> Ionizing Radiation                            |

## Biological Hazards to Personnel

- |   |  |
|---|--|
| <input type="checkbox"/> Infectious/Medical/Hospital Waste – Attach FLD 44 and 45 | <input checked="" type="checkbox"/> Non-domesticated Animals – Attach FLD43A     |
| <input checked="" type="checkbox"/> Insects – Attach FLD 43B                      | <input checked="" type="checkbox"/> Poisonous Plants/Vegetation – Attach FLD 43D |
| <input type="checkbox"/> Raw Sewage   | <input type="checkbox"/> Bloodborne Pathogens – Attach FLD 44 and 45             |

## Training Requirements

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> 40-Hour HAZWOPER Training with three days supervised experience | <input type="checkbox"/> 8-Hour Management or Supervisor Training in addition to basic training course |
| <input checked="" type="checkbox"/> 8-Hour Annual Refresher Health and Safety Training              | <input type="checkbox"/> Site Specific Health and Safety Training                                      |
| <input type="checkbox"/> DOT (CMV Training - ERV in Use)  | <input type="checkbox"/> Bio-Medical Collection and Response   |

## Medical Surveillance Requirements

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Baseline initial physical examination with physician certification | <input checked="" type="checkbox"/> Annual medical examination with physician certification |
| <input type="checkbox"/> Site Specific medical monitoring protocol (Radiation, Heavy Metals)           | <input type="checkbox"/> Asbestos Worker medical protocol                                   |

## Vehicle Use Assessment and Selection

Driving is one of the most hazardous and frequent activities for Weston Employees. As such, Weston Employees are required to adhere to established safe operating practices in order to maintain their eligibility to drive Weston owned, leased, or rented vehicles. Every person riding in a Weston vehicle, including passengers must maintain a commitment for a safe journey. This means being attentive while in the vehicle and helping the driver to notice hazards ahead of and around the vehicle and ensure that their presence does not distract the driver from safely operating the vehicle.

A high percentage of vehicle accidents occur when operating in reverse. Anytime a vehicle is operated in reverse, e.g., backing out of a parking area, if there are passengers, at least one of them are to assist the driver by acting as a guide person during the reverse movement or during other vehicle operation where it would be prudent to have a guide person(s) participate in the vehicle movement. When practical, the preferred parking method would be to back into the parking area. At a minimum, each Weston Driver must:

- Possess a current, valid drivers' license
- Obey posted speed limits and other traffic laws
- Wear seat belts at all times while the vehicle is in operation
- Conduct a 360 degree inspection around the vehicle before attempting to drive the vehicle

- Report accidents / incidents immediately and complete a Notice of Incident (NOI)
- Keep vehicles on approved roadways (4WD doesn't guarantee mobility on unapproved surfaces)

All Region II RST personnel are experienced and qualified to drive RST fleet vehicles (Trailblazers, Suburbans, Cargo Van, and 10' x 12' Box Truck). However, in the event that vehicle rental is required, each person must take the time to familiarize themselves with that particular vehicle. This familiarization includes adjustment of the dashboard knobs/controls, mirrors, steering wheel, seats, and a 360 degree external inspection of the vehicle.

1. The following vehicles are anticipated to be used on this project:

- |  |   |
|--|---|
| <input type="checkbox"/> Car   | <input type="checkbox"/> Pickup Truck   |
| <input type="checkbox"/> Intermediate/Standard SUV (e.g. Chevy Trailblazer, Chevy Tahoe, Ford Explorer, Ford Escape) | <input checked="" type="checkbox"/> Full Size SUV (e.g. Chevy Suburban, Ford Expedition, GMC Yukon) |
| <input checked="" type="checkbox"/> Minivan/Cargo Van (e.g. Chevy Uplander)  | <input checked="" type="checkbox"/> Box Truck (Size: <u>16 foot</u> )                               |
| <input type="checkbox"/> Emergency Response Vehicle (ERV)  | <input type="checkbox"/> Other _____  |

2. Are there any on-site considerations that should be noted?

- |  |   |  |  |
|--|---|--|--|
| <input checked="" type="checkbox"/> Working/Driving Surfaces | <input type="checkbox"/> Debris                             | <input type="checkbox"/> Overhead Clearance              | <input checked="" type="checkbox"/> Obstructions |
| <input type="checkbox"/> Tire Puncture Hazards               | <input type="checkbox"/> Vegetation                         | <input checked="" type="checkbox"/> Terrain              | <input checked="" type="checkbox"/> Parking      |
| <input checked="" type="checkbox"/> Congestion               | <input checked="" type="checkbox"/> Site Entry/Exit Hazards | <input checked="" type="checkbox"/> Local Traffic Volume | <input checked="" type="checkbox"/> Security     |
| <input type="checkbox"/> Heavy Equipment                     | <input type="checkbox"/> Time/Length of Work Day            | <input type="checkbox"/> Other:                          |  |

Do any of the considerations above require further explanation: No

3. Was the WESTON Environmental Risk Management Tool completed in EHS? Yes

Was an Environmental Compliance Plan required? No

4. Are there any seasonal considerations that should be noted (e.g., Anticipated Snowy Conditions): No

5. Is a Traffic Control Plan required? ☐ Yes ☒ No



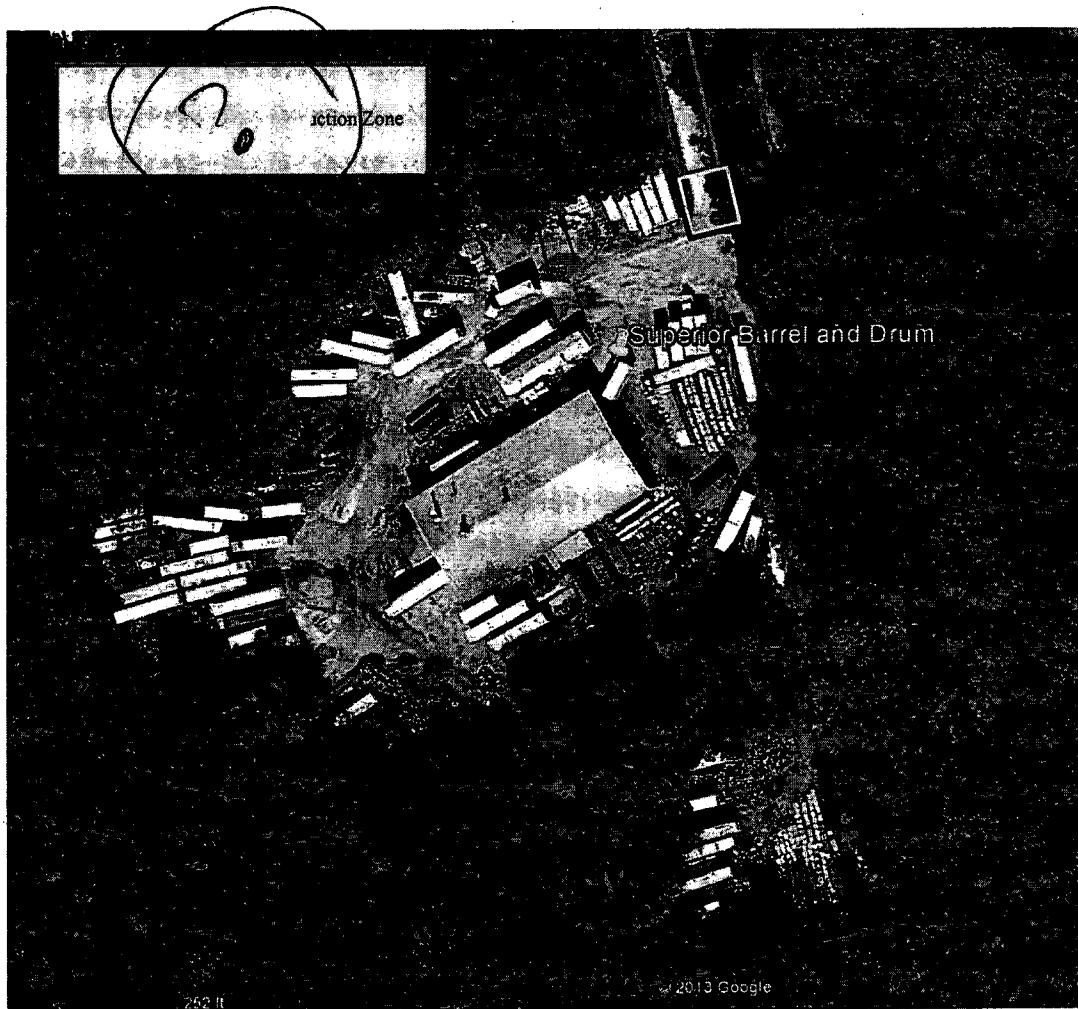
## Chemical Hazards to Personnel

The contents of many on-site drums/containers are unknown to RST 2. Further information regarding on-site contaminants will be determined throughout on-site Hazcat field screening activities.

Physical Parameters	To be Determined
Exposure Limits IDLH Level	<p>_____ ppm _____ mg/m<sup>3</sup> PEL</p> <p>_____ ppm _____ mg/m<sup>3</sup> REL</p> <p>_____ ppm _____ mg/m<sup>3</sup> IDLH</p>
Physical Form (Solid/Liquid/Gas) Color	<p>_____ Solid _____ Liquid</p> <p>_____ Gas</p> <p>_____ Color</p>
Odor	Odorless
Flash Point Flammable Limits	<p>_____ Degrees F</p> <p>_____ % UEL _____ % LEL</p>
Vapor Pressure Vapor Density	<p>_____ mm</p> <p>_____ Air = 1</p>
Specific Gravity	_____ Water = 1
Solubility	
Incompatible Material	
Routes of Exposure	<p>_____ Inh _____ Abs</p> <p>_____ Con _____ Ing</p>
Symptoms of Acute Exposure	
First Aid Treatment	
Ionization Potential	_____ eV
Instruments for Detection	<p>_____ PID w/ _____ Probe</p> <p>_____ FID _____ CGI _____ RAD</p> <p>_____ Det Tube _____ pH</p> <p>Other _____</p>

## Control Measures

Site Map with work zones:



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**Exclusion Zone** - the area where contamination is either known or expected to occur and the greatest potential for exposure exists. The outer boundary of the Exclusion Zone, called the Hotline, separates the area of contamination from the rest of the Site.

**Contamination Reduction Zone (CRZ)** - the area in which decontamination procedures take place. The purpose of the CRZ is to reduce the possibility that the Support Zone will become contaminated or affected by the site hazards.

**Support Zone** - the uncontaminated area where workers are unlikely to be exposed to hazardous substances or dangerous conditions. The Support Zone is the appropriate location for the command post, medical station, equipment and supply center, field laboratory, and any other administrative or support functions that are necessary to keep site operations running efficiently.

**Communications:**

- |                                     |                          |                                     |                              |
|-------------------------------------|--------------------------|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | Buddy System             | <input checked="" type="checkbox"/> | Radio                        |
| <input type="checkbox"/>            | Air Horn for Emergencies | <input checked="" type="checkbox"/> | Hand Signals/ Visual Contact |

**Personnel Decontamination Procedures:**

- ☐ Wet Decontamination (procedures as follows)
- ☒ Dry Decontamination (procedures as follows)

All work will be done in Level B, C, or D PPE. Sampling equipment and grossly contaminated PPE will be bagged separately. At this time, all PPE and sampling equipment will be bagged or drummed, labeled, and placed inside of the building for future disposal.

**Equipment Decontamination Procedures:**

- ☐ None
- ☒ Wet Decontamination (procedures as follows)
- ☐ Dry Decontamination (procedures as follows)

It is anticipated that all samples will be collected utilizing dedicated disposable equipment which will be void of gross contamination and disposed of in accordance with federal, state, and local regulations. However, if non-dedicated sampling equipment is used it will be decontaminated on site as follows:

1. Alconox detergent and potable water scrub.
2. Potable water rinse.
3. Deionized water rinse.
4. 10% Nitric Acid rinse.
5. Deionized water rinse.
6. A hexane rinse (pesticide-grade or better).
7. Air dry (sufficient time will be allowed for the equipment to completely dry).
8. Deionized water rinse and air dry.

Adequacy of decontamination determined by: Site Health & Safety Officer

### Personal Protective Equipment

TASK TO BE PERFORMED	ANTICIPATED LEVEL OF PROTECTION	TYPE OF CHEMICAL PROTECTIVE COVERALL	INNER GLOVE / OUTER GLOVE / BOOT COVER	APR CARTRIDGE TYPE or SCBA
Initial Site Entry	B	Saranex/Tyvek	Blue Nitrile/Green Nitrile/Latex Booties	SCBA/P-100 Cartridges
Opening Unknown Drums/ Sample Collection from Unknown Drums/Containers	B	Saranex	Blue Nitrile/Green Nitrile/Latex Booties	SCBA
Sample Collection from Unknown Drums/Containers	B/C	Saranex/Tyvek	Blue Nitrile/Green Nitrile/Latex Booties	SCBA/P-100 Cartridges
Soil Sampling	C/D	Tyvek	Blue Nitrile/Green Nitrile/Latex Booties	SCBA/P-100 Cartridges
Site Documentation	D	None	Nitrile Gloves/Latex boot covers	None

## Hazard Task Analysis

RISK LEVEL (High, Medium, Low)	TASK/HAZARD	RECOGNITION/ SYMPTOMS	MITIGATION	LEVEL OF PROTECTION
Medium	<p><b>Task:</b> Level B Entry with air monitoring, Opening and Sample Collection of Drums, Tanks, Pits, Wastes, Building Interior with Unknowns;</p> <p>Climbing portable ladder to investigate/ sample ASTs with Unknowns.</p> <p><b>Hazard:</b> Chemical exposure; Intrusive activities have the potential for exposure to site contaminants</p>	<p>See FLD6, FLD10, FLD13, FLD26, FLD39, FLD40, FLD43A, FLD43B, FLD44, FLD45, FLD53, FLD58</p>	<p>Appropriate levels of PPE and proper decontamination procedures will be utilized to mitigate the risk of exposure to site contaminants. Monitoring and/or sample results may indicate a need to upgrade or downgrade.</p> <p>Utilize portable ladder for the designed purpose and in accordance with FLD26.</p>	Level B
High	<p><b>Task:</b> Initial Site Entry/Container Inventory</p> <p><b>Hazard:</b> Slips, trips, or falls on walking and working surfaces</p>	<p>See FLD6, FLD10, FLD13, FLD39, FLD40, FLD43A, FLD43B, FLD44, FLD45, FLD53</p>	<p>Maintain clean work areas by following good housekeeping procedures.</p> <p>Properly illuminate work areas</p> <p>Wear slip resistant footwear when walking/working on slippery surfaces; aware and avoid wet slippery areas.</p>	Level B/C

Frequency and Types of Air Monitoring: None.

☒ Continuous

☐ Routine - \_\_\_\_\_

☐ Periodic - \_\_\_\_\_

DIRECT READING INSTRUMENTS	<b>MultiRAE</b> CGI / O <sub>2</sub> / H <sub>2</sub> S / CL <sub>2</sub> / CO / PID (10.6 EV Lamp)	<b>Ludlum 19</b> Micro-R Meter / <b>Ludlum Model</b> 3 Survey Meter	<b>MicroFID or</b> <b>TVA-1000</b>	<b>MiniRae PID</b> (11.7 EV Lamp)	<b>AreaRaes</b>
EQUIPMENT ID NUMBER	TBD	TBD			TBD
CALIBRATION DATE	TBD	TBD			TBD
RST 2 PERSONNEL	TBD	TBD			TBD
ACTION LEVEL	<p>≥ 10 - 20% LEL (Confined Space / non- Confined Space)</p> <p>≤ 19.5% O<sub>2</sub> Deficient ≥ 23% O<sub>2</sub> - Enriched</p> <p>H<sub>2</sub>S - PEL: 20 ppm IDLH: 100 ppm</p> <p>Cl<sub>2</sub> - PEL: 1 ppm IDLH: 10 ppm</p>	<p>&lt;3X Background Exercise Caution;</p> <p>≥ 1 mR/HR - Exit Area, Establish Perimeter, Contact RST 2 HSO</p>	<p>Unknowns:</p> <p>1 - 5 Units - "Level C"</p> <p>5-500 Units- "Level B"</p>	<p>Unknowns:</p> <p>1 - 5 Units - "Level C"</p> <p>5-500 Units- "Level B"</p>	<p>Mercury Vapors (Except Organo Alkyls):</p> <p>PEL - 0.1 mg/m<sup>3</sup> IDLH - 10 mg/m<sup>3</sup></p>

Dräger Tubes	Expiration Date	Strokes	Color Change
Nitrogen Dioxide - 2 to 100 PPM	See individual package before use	10 or 5	yellowish-green to bluish-grey
Phosgene - 0.25 to 5 PPM	See individual package	40 or 20	white to red
Hydrochloric Acid - 50 to 5,000 PPM	See individual package	1 or 10	blue to white
Cyanide - 2 to 15 mg/m <sup>3</sup>	See individual package	10	yellow to red
Acetic Acid - 5 to 80 PPM	See individual package	3	blue/violet to yellow
Chlorine - 0.2 to 3 PPM	See individual package	10	white to yellowish-orange
Ammonia - 5 to 70 PPM	See individual package	10	yellow to blue

### Emergency Telephone Numbers

Emergency Contact	Location / Address	Telephone Number	Notified
Hospital	Cooper University Hospital 2 Plaza Drive Sewell, NJ 08080	(856) 270-4100	No
Ambulance	Monroe Township Ambulance and Rescue Association 700 Corkery Lane Williamstown, NJ 08094	(856) 629-3301 Or call 911	No
Police	Glassboro Police Department 1 South Main Street Glassboro, NJ 08028	(856) 881-1500 Or call 911	No
Fire Department	Glassboro Fire Department 27 High Street East Glassboro, NJ 08028	(856) 881-5008 Or call 911	No

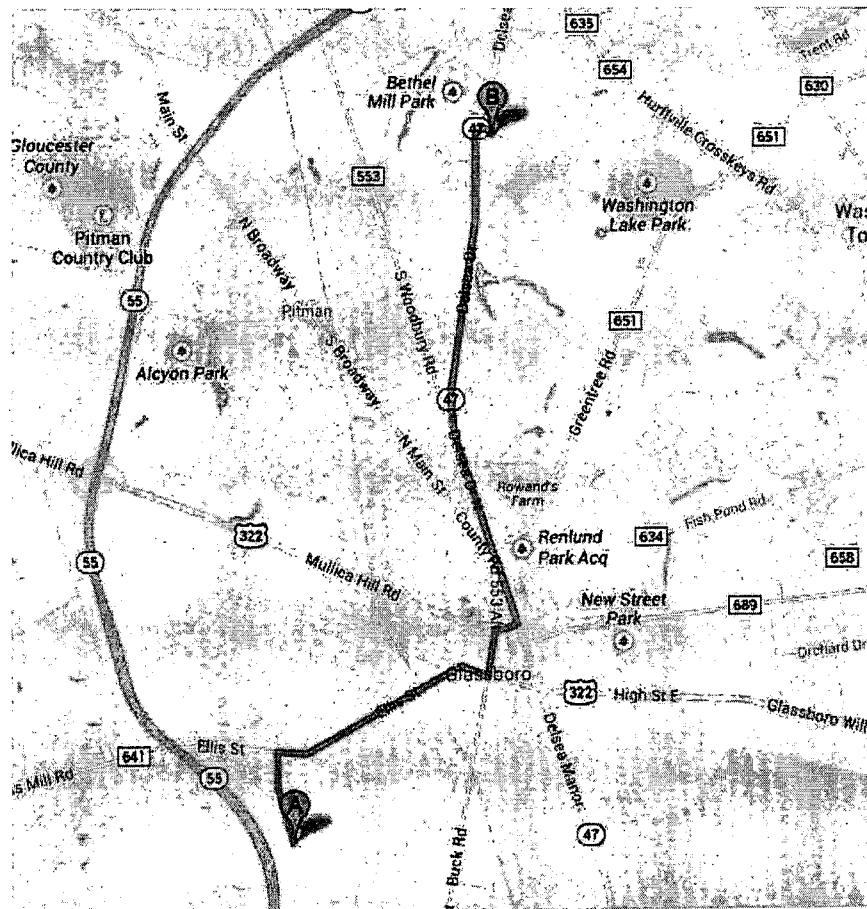
Chemical Trauma Capability? ☒ Yes ☐ No

If no, closest backup: \_\_\_\_\_ Phone: \_\_\_\_\_

#### Directions to Cooper University Hospital:

1. Head northeast on Jacob Harris Ln toward Ellis St  
0.5 mi
2. Take the 1st right onto Ellis St  
1.2 mi
3. Turn right onto High St W  
0.2 mi
4. Take the 3rd left onto County Rd 553 Alt/N Main St  
0.3 mi
5. Take the 3rd right onto West St  
0.1 mi
6. Turn left onto NJ-47 N/Delsea Dr N  
2.9 mi
7. Turn right onto Holly Dell Dr  
489 ft
8. Take the 1st right onto Holly Dell Ct  
Destination will be on the left  
79 ft

Total Estimated Distance: 5.3 miles. Total Estimated Time: 12 minutes



*This map is subject to Google's Terms of Service, and Google is the owner of rights therein.*

Route verified by: \_\_\_\_\_ Date: \_\_/\_\_/




### Additional Emergency Phone Contacts

<b>WESTON Medical Emergency Service</b> <b>Dr. Peter Greaney, Medical Director</b> <b>WorkCare</b> <b>300 South Harbor Blvd, Suite 600</b> <b>Anaheim, California 92805</b>	<b>800-455-6155</b> <b>Regular Business Hours (9AM to 7:30PM)</b> <b>Dial 0 or Ext. 175 for Michelle Bui to request the on-call clinician.</b> <b>800-455-6155</b> <b>After Hours (Weekdays 7:31PM to 8:59AM, Weekends, Holidays)</b> <b>Dial 3 to reach the after-hours answering service. Request that the service connect you with the on-call clinician or the on-call clinician will return your call within 30 minutes.</b>
Chemtrec	800-424-9300
ATSDR	404-639-0615
ATF (explosives information)	800-424-9555
National Response Center	800-424-8802
National Poison Control Center	800-764-7661
Chemtel	800-255-3924
DOT	800-424-8802
CDC	800-232-0124

#### Pre-Response Approval

HASP prepared by: Peter Lisichenko

Date: 9/6/2013

Pre-Response/Entry Approval by: 

Date: 9/6/13

Tasks Conducted	Level of Protection/Specific PPE Used
Initial Site Entry	Level B
Opening Unknown Drums/ Sample Collection from Unknown Drums/Containers	Level B
Sample Collection from Unknown Drums/Containers	Level B/C
Soil Sampling	Level C/D
Site Documentation	Level D

## Hazardous Waste Site and Environmental Sampling Activities

Off Site: ☐ Yes ☒ No

On Site: ☒ Yes ☐ No

Describe types of samples and methods used to obtain samples:

RST 2 is tasked with the collection of up to 250 multi-media samples including soil, sludge, and liquid waste from abandoned drums, and stained soil areas observed beneath drums and tanks. Hazcat field screening of drum/liquid waste samples will be conducted by the ERRS contractor, and drum/liquid waste samples will be selected for laboratory analysis based on the Hazcat results.

This sampling design is based on a project scoping session held on September 5, 2013 and may be modified on-site in light of field-screening results and other acquired information.

### *Sludge, Soil and Liquid Waste Sampling*

The drum and tank liquids/liquid waste will be sampled using dedicated, disposable colliwasas. The sludge/solid waste samples will be collected from the drums, tanks, samples from building interior as grab samples using dedicated, disposable plastic scoops and placed into dedicated glass sample jars. Soil samples will be collected from the stained areas using dedicated, stainless-steel and/or disposable plastic scoops and placed into dedicated glass sample jars. Samples will be submitted for low, medium, and high concentration analyses. If trace concentration organic analyses are required for some samples, then non-dedicated stainless-steel sampling equipment will be used. Equipment rinsate blanks will be collected as necessary. The samples will be analyzed for parameters including, TCL VOCs, TCL SVOCs, TCL PCBs, TAL metals, including mercury and cyanide, and PAHs. Sludge/solid waste and liquid waste samples will also be analyzed for RCRA characteristics. Drum sampling activities will be conducted in accordance with guidelines outlined in EPA/ERT Drum Sampling SOP #2009. Tank sampling activities will be conducted in accordance with guidelines outlined in EPA/ERT Tank Sampling SOP #2010. These samples will then be analyzed on Site using a Hazcat kit. Based on results of the Hazcat field screening, the EPA OSC will determine the samples to be submitted for laboratory analysis.

Was laboratory notified of potential hazard level of samples?

☒ Yes ☐ No

Note: The nature of the work assignment may require the use of the following procedures/programs which will be included as attachments to this HASP as applicable: Emergency Response Plan, Confined Space entry Procedures, Spill Containment Program.

Disclaimer: This site-specific HASP was prepared for work to be conducted under the RST 2 Contract EP-W-06-072. Use of this site-specific HASP by WESTON and its subcontractors is intended to fulfill the OSHA requirements found in 29 CFR 1910.120. Items not specifically covered in this HASP are included by reference to 29 CFR 1910 and 1926.

The signatures below indicate that the individuals have read and understood this Health and Safety Plan.

PRINTED NAME	SIGNATURE	AFFILIATION	DATE

**Post-Response Approval**

Final Submission of HASP by:		Date:
Post Response Approval by:		Date:
RST 2 HSO Review by:		Date:

## Air Monitoring Summary Log

Date: \_\_/\_\_/\_\_

Data Collected by: \_\_\_\_\_

Station/Location	CGI / O <sub>2</sub> Meter / CL <sub>2</sub> / H <sub>2</sub> S	Radiation Meter	MultiRae PID (10.6 EV Lamp)	MiniRae PID (11.7 EV Lamp)	Other (HCN)